LED SUPERSTAR PAR16 advanced

Dimmable LED reflector lamps PAR16 with retrofit pin base

Areas of application

- Spotlighting for accents
- Display cabinets and shop windows
- Retail outlets and exhibition rooms
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor use in outdoor luminaires only (minimum IP65)
- Directional light sources
- Hospitality
- Shops

Product benefits

- Ideal for economical spotlighting
- Alternative to line-voltage halogen lamps
- Very low energy consumption
- Extremely long life
- No UV and near-IR radiation in the light beam
- Shockproof and vibration-proof thanks to LED technology
- Efficient generation of white light
- Professional thermal management

Product features

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.osram.com/dim)
- Base: GU10
- Mercury-free lamps
- Lifetime: up to 25,000 h

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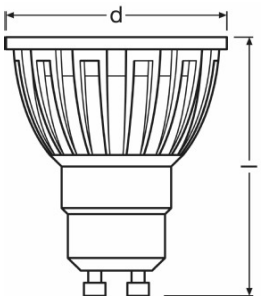
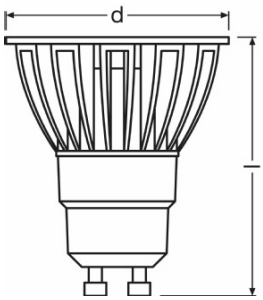
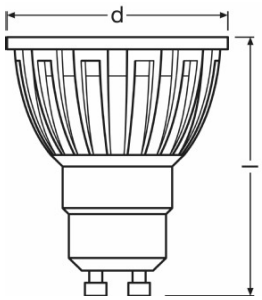


Product line drawing



Product line drawing



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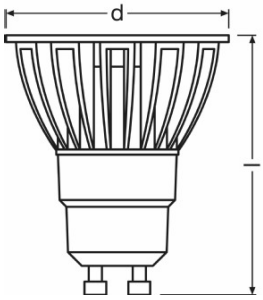
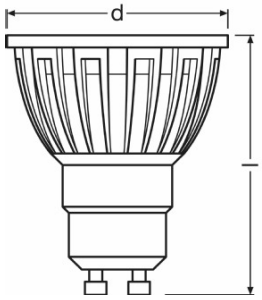


Product line drawing



Product line drawing

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Technical data

Product description	Base (standard designation)	Nominal wattage	Nominal voltage	Claimed equiv. conventional lamp power	Beam angle	Nominal lamp life time
LED SUPERSTAR PAR16 20 36° ADV 3 W/827 GU10 [1)]	GU10	3 W	230 V	20 W	36 °	25000 h
LED SUPERSTAR PAR16 35 25° ADV 4 W/827 GU10 [1)]	GU10	4 W	230 V	35 W	25 °	25000 h
LED SUPERSTAR PAR16 35 25° ADV 4 W/840 GU10 [1)]	GU10	4 W	230 V	35 W	25 °	25000 h
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/827 GU10 [1)]	GU10	5 W	220 V	35 W	36 °	25000 h
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/840 GU10 [1)]	GU10	4.8 W	230 V	35 W	36 °	25000 h
LED SUPERSTAR PAR16 50 25° 5 W/827 GU10 [1)]	GU10	5 W	230 V	50 W	25 °	25000 h
LED SUPERSTAR PAR16 50 25° 5 W/840 GU10 [1)]	GU10	5 W	230 V	50 W	25 °	25000 h
LED SUPERSTAR PAR16 50 36° ADV 7 W/827 GU10 [1)]	GU10	7 W	230 V	50 W	36 °	25000 h
LED SUPERSTAR PAR16 50 36° ADV 7 W/840 GU10 [1)]	GU10	7 W	230 V	50 W	36 °	25000 h

Product description	Luminous intensity	Nominal luminous flux	Rated luminous flux	Color temperature	Color rendering index Ra	Starting time
LED SUPERSTAR PAR16 20 36° ADV 3 W/827 GU10 [1)]	330 cd	130 lm	130 lm	2700 K	80	< 0.5 s

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Product description	Luminous intensity	Nominal luminous flux	Rated luminous flux	Color temperature	Color rendering index Ra	Starting time
LED SUPERSTAR PAR16 35 25° ADV 4 W/827 GU10 [1)]	600 cd	170 lm	170 lm	2700 K		
LED SUPERSTAR PAR16 35 25° ADV 4 W/840 GU10 [1)]	600 cd	170 lm	170 lm	4000 K		
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/827 GU10 [1)]	700 cd	250 lm	250 lm	2700 K	80	< 0.5 s
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/840 GU10 [1)]	750 cd	265 lm	265 lm	4000 K	80	< 0.5 s
LED SUPERSTAR PAR16 50 25° 5 W/827 GU10 [1)]	900 cd	220 lm	220 lm	2700 K		
LED SUPERSTAR PAR16 50 25° 5 W/840 GU10 [1)]	900 cd	220 lm	220 lm	4000 K		
LED SUPERSTAR PAR16 50 36° ADV 7 W/827 GU10 [1)]	950 cd	385 lm	385 lm	2700 K	80	< 0.5 s
LED SUPERSTAR PAR16 50 36° ADV 7 W/840 GU10 [1)]	1000 cd	400 lm	400 lm	4000 K	80	< 0.5 s

Product description	Warm-up time (60 %)	Number of switching cycles	Lamp mercury content	Power factor λ	Overall length	Diameter
LED SUPERSTAR PAR16 20 36° ADV 3 W/827 GU10 [1)]	< 0.20 s	100000	0.0 mg	0.75	58.0 mm	50.0 mm
LED SUPERSTAR PAR16 35 25° ADV 4 W/827 GU10 [1)]					58.0 mm	50.0 mm
LED SUPERSTAR PAR16 35 25° ADV 4 W/840 GU10 [1)]					58.0 mm	50.0 mm
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/827 GU10 [1)]	< 0.20 s	100000	0.0 mg	0.75	58.0 mm	34.7 mm

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Product description	Warm-up time (60 %)	Number of switching cycles	Lamp mercury content	Power factor λ	Overall length	Diameter
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/840 GU10 [1)]	< 0.20 s	100000	0.0 mg	0.75	58.0 mm	50.0 mm
LED SUPERSTAR PAR16 50 25° 5 W/827 GU10 [1)]					58.0 mm	50.0 mm
LED SUPERSTAR PAR16 50 25° 5 W/840 GU10 [1)]					58.0 mm	50.0 mm
LED SUPERSTAR PAR16 50 36° ADV 7 W/827 GU10 [1)]	< 0.20 s	100000	0.0 mg	0.75	58.0 mm	50.0 mm
LED SUPERSTAR PAR16 50 36° ADV 7 W/840 GU10 [1)]	< 0.20 s	100000	0.0 mg	0.75	58.0 mm	50.0 mm

Product description	Dimmable	Energy efficiency class	ILCOS	Lumen main.fact.at end of nom.life time	Mercury-free	New article
LED SUPERSTAR PAR16 20 36° ADV 3 W/827 GU10 [1)]	Yes [2)]	A	DRPAR-3-220-240-GU10-50/36	0.70	Yes	NEW
LED SUPERSTAR PAR16 35 25° ADV 4 W/827 GU10 [1)]	Yes [3)]		DRPAR-4-220/240-GU10-50/58		Yes	
LED SUPERSTAR PAR16 35 25° ADV 4 W/840 GU10 [1)]	Yes [3)]		DRPAR-4-220/240-GU10-50/58		Yes	
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/827 GU10 [1)]	Yes [2)]	A	DRPAR-4,8-220-240-GU10-50/,36	0.70	Yes	NEW
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/840 GU10 [1)]	Yes [2)]	A	DRPAR-4,8-220-240-GU10-50/36	0.70	Yes	NEW
LED SUPERSTAR PAR16 50 25° 5 W/827 GU10 [1)]			DRPAR-5-220/240-GU10-50/58		Yes	

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Product description	Dimmable	Energy efficiency class	ILCOS	Lumen main.fact.at end of nom.life time	Mercury-free	New article
LED SUPERSTAR PAR16 50 25° 5 W/840 GU10 [1)]			DRPAR-5-220/240-GU10-50/58		Yes	
LED SUPERSTAR PAR16 50 36° ADV 7 W/827 GU10 [1)]	Yes [2)]	A	DRPAR-7,5-220-240-GU10-50/36	0.70	Yes	NEW
LED SUPERSTAR PAR16 50 36° ADV 7 W/840 GU10 [1)]	Yes [2)]	A	DRPAR-7,5-220-240-GU10-50/36	0.70	Yes	NEW

Product description	Light color as per EN 12464-1
LED SUPERSTAR PAR16 20 36° ADV 3 W/827 GU10 [1)]	Warm White
LED SUPERSTAR PAR16 35 25° ADV 4 W/827 GU10 [1)]	Warm White
LED SUPERSTAR PAR16 35 25° ADV 4 W/840 GU10 [1)]	Cool White
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/827 GU10 [1)]	Warm White
LED SUPERSTAR PAR16 35 36° ADV 4.8 W/840 GU10 [1)]	Cool White
LED SUPERSTAR PAR16 50 25° 5 W/827 GU10 [1)]	Warm White
LED SUPERSTAR PAR16 50 25° 5 W/840 GU10 [1)]	Cool White
LED SUPERSTAR PAR16 50 36° ADV 7 W/827 GU10 [1)]	Warm White

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Product description	Light color as per EN 12464-1
LED SUPERSTAR PAR16 50 36° ADV 7 W/840 GU10 [1)]	Cool White

[1)] All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

[2)] With many common dimmers

[3)] With many common dimmers, see also www.osram.com/dim

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Application advice

For more detailed application information and graphics please see product datasheet.

References / Links

For dimming conformity see
- www.osram.com/DIM

For further products and actual information concerning LED lamps see
- www.osram.com/ledlamps

For Guarantee see
- www.osram.com/guarantee

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